

## ABSTRACT OF THE DISCLOSURE

The present invention relates to iodine demand  
disinfectants. It relates in particular to a process for  
5 preparing a polyiodide-resin for use as an iodine demand  
disinfectant wherein a porous strong base anion exchange  
resin in a salt form, is contacted with a material capable  
of donating a member absorbable by the resin so as to  
convert the resin to the polyiodide-resin. The adsorbable  
10 member is selected from the group comprising  $I_2$  and  
polyiodide ion having a valence of -1. The process is  
characterized in that conversion of the anion exchange  
resin to the polyiodide-resin is effected at elevated  
temperature and elevated pressure, the elevated  
15 temperature being 100 degrees C or higher, the elevated  
pressure being greater than atmospheric pressure. The  
present invention also relates to disinfectant substance  
comprising an iodine (impregnated) resin as produced by  
the above process.